

## INTERNATIONAL SEARCH REPORT

PCT/GB2004/004436

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 F16L25/14

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 F16L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 2 288 860 A (ADAMS ALAN JAMES) 1 November 1995 (1995-11-01) page 5, line 4 – page 6, line 14; figures 1,2	1,3,4
X	GB 2 326 453 A (BURCHFIELD ANTHONY JOHN) 23 December 1998 (1998-12-23) page 1, line 20 – page 1, line 44; figures 1-3	1,3,4
X	GB 721 656 A (THOMAS CECIL GREEN) 12 January 1955 (1955-01-12)	1,3,4
Y	page 1, line 50 – page 1, line 81; figures 1,2	2,5
		-/-

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

## \* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the International filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the International filing date but later than the priority date claimed

"T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"V" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"S" document member of the same patent family

Date of the actual completion of the International search

Date of mailing of the International search report

28 January 2005

04/02/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 606 658 A (BBC BROWN BOVERI & CIE) 18 August 1948 (1948-08-18) page 1, line 72 - page 1, line 86; figure 6 -----	1,3,4
Y	DE 100 13 568 C (MAPRESS GMBH & CO KG) 7 June 2001 (2001-06-07) the whole document -----	2,5

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

PCT/GB2004/004436

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
GB 2288860	A	01-11-1995	NONE			
GB 2326453	A	23-12-1998	NONE			
GB 721656	A	12-01-1955	NONE			
GB 606658	A	18-08-1948	NONE			
DE 10013568	C	07-06-2001	DE WO	10013568 C1 0169116 A1		07-06-2001 20-09-2001